

ACCESSION NR: AT4042653

and creatinine (60%) were lower than in the control animals. Finally, the estral cycle of experimental females was significantly altered, though one female gave normal birth to young. In the second investigation, control animals exposed to brief accelerations of 5 g showed noticeable increases in the level of non-esterified fatty acids, decreases in serum mucoid composition, and increases in the albumin-globulin ration. However, at 20 g there was an increase in serum mucoid composition and a decrease in the albumin-globulin ration. Biochemical variations in experimental animals subjected to the same accelerations were insignificant. The authors conclude that gravity plays a complex role in the physiological processes of the developing organism but that the true mechanism of this role is far from being understood.

- ASSOCIATION: none

SUBMITTED: 27Sep63

ENCL: 00

SUB CODE: LS

NO REF Sov: 000

OTHER: 000

Card 3/3

L 05801-67 EWT(m) GD

ACC NR: AT6031240 SOURCE CODE: UR/0000/65/000/000/0001/0021

AUTHOR: Pavlotskaya, F. I.; Zatsepina, L. N.; Tyuryukanova, E. B.;
Baranov, V. I.

ORG: none

TITLE: Mobility and forms of occurrence of strontium-90, stable strontium,
and calcium in turf-podzolSOURCE: USSR. Gosudarstvennyy komitet po ispol'zovaniyu atomnoy energii.
Doklady, 1965 O podvizhnosti i formakh nakhozhdeniya strontsiya-90, stabil'nogo
strontsiya i kal'tsiya v dernovo-podzolistoy i chernozemnoy pochvakh, 1-21TOPIC TAGS: strontium, calcium, radioactive fallout, stable strontium,
strontium mobility, calcium strontium occurrence, stable strontium mobility,
calcium mobility, calcium occurrenceABSTRACT: A study was conducted to determine the mobility of fallout strontium-
90, stable strontium, and calcium, and the forms in which they occur in different
genetic horizons in turfy podzol soils of the forest zone and in chernozem soils of
the steppe zone. (Mobility is defined as the ratio between the total amount of the
element in water-soluble and exchange states as compared with the amount in an
Card 1/2

L 05801-67

ACC NR: AT6031240

acid-soluble solution, expressed in percentage). It was found that in the furrow slice in turfey podzol soils the mobility of strontium-90, stable strontium, and calcium is practically the same and constitutes 90%; in typical chernozem the mobility of radioactive and stable strontium is to an order of 65%, and that of calcium 85%. In virgin soils the same mobility ratios prevail, but at lower values. The observed differences in mobility between turfey podzol loamy soils and chernozem, and between cultivated and virgin lands are mainly a function of the difference in the possibility of their occurrence in a water-soluble state. Furthermore, strontium-90 occurs in a greater degree in the water-soluble state than stable strontium or calcium. Besides the physicochemical properties of soils, a significant effect on the form of occurrence, mobility, and the character of distribution of strontium-90, stable strontium, and calcium in the soil is the source of the element, soil texture (in the case of virgin soils), and the agricultural practices used (in the case of cultivated soils). Thus, the form of occurrence and mobility of the elements discussed in a given soil is a function of the soil's physicochemical composition, its genetic structure, vegetation cover, and amount and composition of the organic component. Orig. art. has: 5 figures and 6 tables. [Based on authors' abstract]

SUB CODE: 08, 20 / SUBM DATE: none / ORIG REF: 013 / OTH REF: 015 /
Card 2/2 *dk*

L 11342-67

ACC NR: AP6029977

SOURCE CODE: UR/0413/66/000/015/0191/0191

15

INVENTOR: Makarov, V. P.; Baranov, V. I.

ORG: none

TITLE: Inductive angular-oscillations transducer. Class 42, No. 183970

SOURCE: Izobret prom obraz tov zn, no. 15, 1966, 191

TOPIC TAGS: oscillograph, recording device, test instrumentation, *AERODYNAMIC EFFECT, AIRCRAFT*

ABSTRACT: This Author Certificate introduces an inductive angular-oscillation transducer designed to measure and record on an oscillogram the angular oscillations produced in aircraft parts and units. It consists of a ring with two inductance coils inserted into a housing, and a annular steel core with a bracket. To expand the range of angular-oscillation measurement and recording (up to 80°), its solenoid and core are designed as incomplete (up to 240°) concentric rings.

SUB CODE: 14, 01/ SUBM DATE: 26Dec64/

Card

3/1

UDC: 66.084.534.29

ACC NR: AP6021996

SOURCE CODE: UR/0120/66/000/003/0044/0050

AUTHOR: Baranov, V. I.; Shlyapnikov, R. S.

ORG: Institute of Atomic Energy, GKAE, Moscow (Institut atomnoy energii GKAE)

TITLE: Electronic equipment for a bubble chamber with a pulsed magnetic field

SOURCE: Pribory i tekhnika eksperimenta, no. 3, 1966, 44-50

TOPIC TAGS: bubble chamber, propane bubble chamber, pulsed magnetic field, beam accelerator

ABSTRACT: Electronic equipment for a propane bubble chamber with a pulsed magnetic field is described which consists of a chamber synchronization block, a block for sustaining the operation of the chamber, and a control block. The chamber was initiated when a starting pulse, produced by the accelerator, was fed to it. This pulse in turn triggered the particle ejection process. After the arrival of the starting pulse, the synchronization block sent in sequence pulses which controlled the operation of various sections of the chamber. During the operation of the chamber a series of its working parameters were maintained at the required level, including its operating temperature, its working pressure, and the number of particles passing through it. Experiments have shown that errors caused by delays in the starting pulse did not exceed 50 μ sec. The authors are indebted to K. N. Mukhin for his discussion of the results and to A. P. Venediktov and A. B. Tel'nov for their help in the experimental

Card 1/2

UDC: 539.1.073.3

"APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000103510018-2

ACC NR: AP6021996

operation. Orig. art. has: 8 figures.

SUB CODE: 20/ SUBM DATE: 14May65/ ORIG REF: 005/ OTH REF: 003

Card 2/2

APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000103510018-2"

BARANOV, V.I.; RYAPOLOVA, M.D.

A case of general interstitial calcinosis. Terap.arkh. 28 no.4:
77-80 '56. (MIRA 9:9)

1. Iz terapevticheskoy kliniki 4-y kafedry terapii (zav.-chlen-korrespondent AMN SSSR prof. P.I.Yegorov) TSentral'nogo instituta usovershenstvovaniya vrachey i rentgenovskogo otdeleniya (nach. S.A. Sviridov) TSentral'noy klinicheskoy bol'nitsy Ministerstva putey soobshcheniya SSSR.

(CALCINOSIS, case reports
interstitialis, general)

USSR / General Problems of Pathology. Tumors. Human
Neoplasms. U

abs Jour: Ref Zhur-Biol., No 11, 1958, 51772.

Author : Baranov, V. I.; Chernyakova, T. A.

Inst : Not given.

Title : On the Duration of Remissions in Chronic Myelo-leukosis.

Orig Pub: Terapevt. Arkhiv.; 1957, 29, No 2, 38-43.

Abstract: A case of chronic myeloleukosis in a 47 year old woman, the interest of which lies in a marked clinical and hematological remission, obtained by irradiation of the spleen (2400r-totally) in combination with erythrocyte transfusion, the remission occurring 2½ years after the appearance of the first symptoms of the disease, when the patient was in a very critical condition. The patient felt

Card 1/2

BARANOV, V.I.

Fatal outcome of seizures of bronchial asthma. Terap.arkh.
31 no.6:65-72 Je '59. (MIRA 12:9)

1. Iz 4-y kafedry terapii (zav. - chlen-korrespondent AMN SSSR prof.P.I.Yegorov) TSentral'nogo instituta usovershenstvovaniya vrachey i 1-go terapevticheskogo otdeleniya (nauchnyy rukovoditel' - prof.A.L.Vilkovyskiy) TSentral'noy klinicheskoy bol'nitsy Ministerstva putey soobshcheniya.

(ASTHMA, case reports, fatal (Rus))

BARANOV, V.I.

Late results of roentgenotherapy in chronic eczemas.
7 no.10:56-57 O '61. Zdrav. Bel.
(MIRA 14:11)

1. Iz nauchno-issledovatel'skogo kozhno-venerologicheskogo instituta
(direktor - akademik AN BSSR A.Ya. Prokopchuk) i Minskogo gorodskogo
kozhno-venerologicheskogo dispensera (glavnyy vrach I.S.Petrusha).
(X RAYS--THERAPEUTIC USE)

BARANOV, V.K., kandidat tekhnicheskikh nauk.

New construction of a mobile belt conveyer. Mekhanostroi. 10 no.11:21-23 N '53.
(MLRA 6:11)
(Conveying machinery)

BABANOV, V. K.

BABANOV, V. K. - "Investigation of the light-engineering characteristics of optical and diaprojection instruments". Leningrad, 1955. State Order of Lenin Optical Inst imeni S. I. Vavilov. (Dissertation for the Degree of Candidate of Technical Sciences).

Sc: KNIERNAYA LICHOPIS' No. 46, 12 November 1955. Moscow

BARANOV, V.K.

SPIVAKOVSKIY, A.O.; D'YACHKOV, V.K., kandidat tekhnicheskikh nauk;
BARANOV, V.K., inzhener, redaktor; IONOV, P.M., inzhener,
redaktor; TIKHONOV, A.Ya., tekhnicheskiy redaktor.

[Conveying machinery] Transportiruiushchie mashiny. Moskva,
Gos.nauchno-tekhn. izd-vo mashinostroitel'noi lit-ry, 1955.
347 p.
(MLRA 8:12)

1. Chlen-korrespondent AN SSSR(for Spivakovskiy).
(Conveying machinery)

BARANOV, V.K.

New epidiascopic apparatus. Fiz. v shkole 16 no.6:86-89
N-D '56.

(MLRA 9:12)

1. Gosudarstvennyy opticheskiy institut imeni S.I. Vavilova.
(Lantern projection)

BARANOV, V.K.

Brightness requirements of projection images depending on the
illumination level of the spectators' room. Probl.fiziol.opt.
12:485-493 '58 (MIRA 11:6)
(MOTION PICTURES--LIGHTING)

BARANOV, V.K.

Requirements to the resolving power of projection systems. Opt.-mekh.
prom. [25] no.3:37-39 Mr '58.
(Projectors) (MIRA 11:9)

BARANOV, V.K., kand.tekhn.nauk

Analysis of the permissible illumination level of an auditorium in connection with the use of projection devices.
Svetotekhnika 5 no.11:4-7 N '59. (MIRA 13:2)

1. Gosudarstvennyy opticheskiy institut.
(Motion-picture theaters--Lighting)

BARANOV, V.K.

Theoretical diagram of a system for direct observation of
fast events. Usp.nauch.fot. 9:54-57 '65.

(MIRA 18:11)

ACG NR: AP6031351

SOURCE CODE: UR/0237/66/000/009/0001/0004

AUTHOR: Baranov, V. K.; Mel'nikov, G. K.

ORG: none

TITLE: Investigation of optical-technological characteristics of hollow
focons

SOURCE: Optiko-mekhanicheskaya promyshlennost', no. 9, 1966, 1-4

TOPIC TAGS: solar energy conversion, solar furnace, light reflection,
light transmission

ABSTRACT: Because of difficulties which they encountered in making accurate calculations of the paths of oblique rays passing through focons of various shape, the authors thought it useful to investigate the phenomenon experimentally. For this purpose, two focons were constructed, one of conical form and the other of parabolic toroidal form with a 30° parametric angle (the angle between the axis of the parabola and the axis of the instrument). The entrance and exit diameters of the conical focon were the same as those of the parabolic focon. Both focons had the same length. At increasing entrance angles the falling-off of light transmission takes place slowly in the parabolic toroidal focon and more quickly in the conical one. At an angle of 25° virtually

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UDC: 535:666.189.2

ACC NR: AP6031351

the entire surface of the end face of the parabolic toroidal focon is working; in the case of the conical focon, only half of it is working. The light leaving the parabolic toroidal focon is uniformly concentrated in an angle similar to the parametric angle of the instrument. In the case of the conical focon, the major part of the light is concentrated in a comparatively smaller solid angle. Orig. art. has: 3 figures.

[ZL]

SUB CODE: 20/ SUBM DATE: 01Sep65/ ORIG REF: 002/ ATD PRESS: 5088

Card 2/2

ACC NR: AP6017973

SOURCE CODE: UR/0413/66/000/010/0073/0073

INVENTORS: Baranov, V. K.; Protasov, N. N.; Krylova, T. N.; Suyetin, V. F.

ORG: nono

TITLE: A method for preparing a selectively reflecting mirror. Class 32,
No. 181792

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 10, 1966, 73

TOPIC TAGS: zinc compound, magnesium compound, nickel, chromium, titanium compound,
silicon compound, mirror, radiation

ABSTRACT: This Author Certificate presents a method for preparing a selectively
reflecting mirror. The method involves consecutive deposition of the interference
layers of zinc sulfide and magnesium fluoride, or of titanium dioxide and silicon
dioxide onto the underside of the interference layers. To absorb radiation passed
by the interference coating, the metallic undercoat is previously covered with an
absorbing layer of rough nickel or of rough chromium.

07/
SUB CODE: 20// SUBM DATE: 25Mar65

Card 1/1

UDC: 666.1.056

S/051/60/008/026/030
E201/E591

AUTHORS: Baranov, V.N. and Rebane, T.K.
TITLE: On the Semi-empirical Calculation of the Ionization
Potentials of Aliphatic Compounds¹
PERIODICAL: Optika i spektroskopiya, 1960, Vol 8, Nr 2,
pp 268 - 270 (USSR)
ABSTRACT: Using Fok and Hartree's self-consistent field method
(Ref 1), Hall suggested a semi-empirical method of
calculating the ionization potentials of similar molecules
(Ref 2). The method is simplest when applied to aliphatic
molecules. Structure of the latter is assumed to be such
that all the carbon atoms lie in one plane. Calculations
are greatly simplified if antisymmetry of the ionized
molecular orbits with respect to reflection in the
molecular plane of symmetry is assumed. Then individual
groups of atoms in a molecule (e.g. CH₂) can be
represented by parameters calculated from the experimental
values of the ionization potentials. For normal
paraffins, C_nH_{2n+2}, Hall obtained the following formula:
for calculation of the first ionization potentials (Ref 3):
Card 1/4 

S/051/60/008/02/026/036
E201/E391
On the Semi-empirical Calculation of the Ionization Potentials of
Aliphatic Compounds

a correction to the parameter "a" allowing for the non-equivalence of the CH_2 and CH_3 groups. If, however, we assume that for some reason the ionization potentials of methane and ethane cannot be represented by Eq (1), then for the remaining members of the paraffin series we obtain good agreement with experiment (Table 1) for "a" = -14.06 eV and "b" = -2.02 e deduced from the experimental values of the ionization potentials of propane and butane. The present authors calculated also the ionization potentials of free aliphatic radicals ($\text{C}_n\text{H}_{2n+1}$). To describe a group with free valence and its interaction with neighbouring groups the authors used two new parameters determined from the mean experimental values:

$$I_{\text{CH}_3} = 9.96 \text{ eV} \quad \text{and} \quad I_{\text{C}_2\text{H}_5} = 8.72 \text{ eV}.$$

Card 3/4 The results are given in Table 2. They agree quite well



S/051/60/008/02/026/036
E201/E391
On the Semi-empirical Calculation of the Ionization Potentials of
Aliphatic Compounds

with those reported by Stevenson (Ref 6).
There are 2 tables and 6 references, 5 of which are
English and 1 German.

SUBMITTED: July 6, 1959



BARANOV, V.M., arkhitektor; PEN'KOV, A.V., arkhitektor

New types of administrative buildings for industrial enterprises. Prom stroi. 39 no.6:37-40 '61. (MIRA 14:7)

1. TSentral'nyy nauchno-issledovatel'skiy i proyektno-eksperimental'nyy institut promyshlennykh zdaniy i sooruzheniy.
(Factories—Design and construction)

BARANOV, V. M.

CA

1ST AND 2ND GROUPS

1ST AND 4TH GROUPS

Special steels for the production and repair of gears for
machine tools. V. M. Baranov. *Trudy Ural. Ind. Inst.*
im. S. M. Kirova No. 15, 88 (94) (1941). The angular
velocity, torque, bending force, etc. of machine tools are
analyzed. Conclusion: The steel SAE-3302 now required
for making gears can be safely replaced by cheaper steels.
M. Bosch

9

ASH-SEA METALLURGICAL LITERATURE CLASSIFICATION

SUDANOV, V.I.

Raniatka tokaria-avtomatchika na stankakh tipa Index (1124, 1126) Sverdlovsk,
Kashgaz, 1944. 12 p.

Instructions for turners operating automatic lathes of the Index model (1124, 1126).

So: Manufacturing and Mechanical Engineering in the Soviet Union, library of
Congress, 1950.

OSELEDCHEK, B.M., inzhener; BARANOV, V.M., redaktor; DUGINA, N.A., tekhnicheskiy redaktor

[Production of antifriction ball bearings] Proizvodstvo sharikov dlja podshipnikov kačenija. Sverdlovsk, Gos.nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1947. 57 p. (MIRA 9:3)
(Ball bearings)

BARANOV, V. M.

Ratsional'noe ispol'zovanie tokarno-vintoreznogo stanka v seriino-massovom proizvodstve. Sverdlovsk, Naukgliz, 1947. 128 p.

Rational use of screw-cutting lathes in a serial mass production.

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

BARANOV, V. M. and G. L. PERFIL'EV.

Elektroiskrovaya obrabotka metallov. Sverdlovsk, Mashgiz, 1948.
46 p. diagrs.

Electric spark technique in metal working.

DLC: TN686.B3

SC: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

PARANOV, V. M.

Osnastka sverlil'nykh stankov v seriino-massovom proizvodstve. Sverdlovsk,
Meshgiz, 1948. 113,(3)p. diagrs.
Bibliography: 1 p. at end.

Equipment of drilling machines in serial mass productions.

DLC: TJ1260.E27

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of
Congress, 1953.

LIVOVSKIY, P.G.; PAL'MOV, Ye.V., professor doktor, retsenzent; KRASNOV, K.V., inzhener, retsenzent; ZAKROCHINSKIY, S.V., inzhener, retsenzent; SHKLOVSKIY, M.B., inzhener, retsenzent; BOGACHEV, I.N., professor doktor tekhnicheskikh nauk, redaktor; AKHUN, A.I., kandidat tekhnicheskikh nauk, redaktor; BARANOV, V.M., kandidat tekhnicheskikh nauk, redaktor; RYZHIKOV, A.A., kandidat tekhnicheskikh nauk, redaktor; FILIPPOV, A.S., kandidat tekhnicheskikh nauk, redaktor; CHERNOBROVKIN, V.P., kandidat tekhnicheskikh nauk, redaktor; YAKUTOVICH, M.V., kandidat tekhnicheskikh nauk, redaktor; GRISHCHENKO, M.F., inzhener, redaktor; ZASLAVSKIY, I.A., inzhener, redaktor; KROKHALEV, V.Z., inzhener, redaktor; SOSKIN, M.D., inzhener, redaktor.

[Manual for the mechanic in a metallurgical plant] Spravochnoe rukovodstvo mekhanika metallurgicheskogo zavoda. Izd.3., ispr. i dop. Moskva, Gos. nauchno-tekh. izd-vo lit-ry po chernoi i tsvetnoi metalurgii, 1953. 1112 p. (MLRA 7:4)
(Mechanical engineering--Handbooks, manuals, etc.)

BARANOV, V. M.

"Cutting Tools Fitted with Two Cutting Bits," Stanki i Instrument, Vol. No. 1,
January 1953, p 37.

Analysis B-85830, 26 May 55

BARANOV, V. M.

USSR/ Engineering - Cutting tools

Card : 1/1

Authors : Baranov, V. M.

Title : Boring tools

Periodical : Stan. i Instr., Ed. 7, 36, July 1954

Abstract : A description is given of a mark 5, steel boring-bit tempered up to $R_c = 45$. The bit is used for boring small holes (starting at $d \geq 10$ mm). Tool dimensions, cutting edge angles, front and side clearances, and cone numbers, are given in the table. Diagrams.

Institution :

Submitted :

BARANOV, V. M.

USSR / Miscellaneous - Machine shop practices

Card 1/1 : Pub. 103 - 23/29

Authors : Baranov, V. M.

Title : Facing and boring of details with precision dimensions on lathes

Periodical : Stan. i instr. 9, page 37, Sep 1954

Abstract : A method of facing and boring of details with precision dimensions, on lathes, by a proper setting of the angle of the tool, is described. Drawing.

Institution : ...

Submitted : ...

BARANOV, V.M.

USSR/Engineering - Machine tools

Card 1/1 Pub. 103 - 14/24

Authors : Baranov, V. M.

Title : Rapid-acting clamps for boring machines

Periodical : Stan. i instr. 11, page 32, Nov 1954.

Abstract : The development and successful application of fast-acting machine-clamps with conical-rack grip for boring machines is reported. The advantages of this new clamping arrangement are briefly described. Drawing.

Institution :

Submitted :

BARANOV, V.M.

Improved tool post holder. Stan. i instr.26 no.10:35 0'55.
(Lathes) (Cutting tools) (MLRA 9:1)

BARANOV, V.M., kandidat tekhnicheskikh nauk; RYLOV, S.V., inzhener.

Saving auxiliary time when machining surfaces with planing machines. Trudy Ural.politekh.inst. no.42:67-70 '55. (MLRA 9:8)
(Planing machines)

BARANOV, V.M., kandidat tekhnicheskikh nauk.

Lathe chuck casings. Trudy Ural.politekh.inst. no.63:
102-103 '56.

(MLRA 10:2)

(Lathes) (Chucks)

BARANOV, V.M., arkhitektor

Comprehensive design of industrial units. Pre-stroi. Al no.3:
8-11 Mr 64. (MIRA 17:3)

1. Gosudarstvennyy proyektnyy institut № 6 Gospstroya SSSR.

"APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000103510018-2

BARANOV, V.M., arkhitektor

Scheme for a unified general plan of the industrial district of a
city, Prom. stroi. 42 no.4v21-23 '65. (MIRA 18:4)

APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000103510018-2"

BARANOV, V.M.; DONSKOY, S.A.; TORSHIL'OV, Yu.V.; TRLET'IANOV, M.A.; UDOVLENKO,
V.G.; FREYDENZON, Ye.Z.

Blowing of cast iron in high-capacity converters. Metallurg 10 no.9:
15-18 S '65.
(MIRA 18:9)

1. Nizhne-Tagil'skiy metallurgicheskiy kombinat.

ACC NR: AT7003569

SOURCE CODE: UR/0000/66/000/000/0271/0274

AUTHORS: Baranov, V. M.; Trelin, Yu. S.

ORG: Institute of Physics and Engineering, Moscow (Inzhenerno-fizicheskiy institut)

TITLE: Measurement of pressure in gaseous media at elevated temperatures using ultrasound

SOURCE: AN BSSR. Institut teplo- i massoobmena. Issledovaniye teplo- i massoobmena v tekhnologicheskikh protsessakh i apparatakh (Study of heat and mass transfer in technological processes and apparatus). Minsk, Izd-vo Nauka i tekhnika, 1966, 271-274

TOPIC TAGS: pressure measuring instrument, high temperature instrument, ultrasonic equipment, gas pressure

ABSTRACT: An ultrasonic device capable of measuring the pressure of corrosive gases at elevated temperatures is described. The pressure is determined by measuring the attenuated amplitude of pulsed ultrasound propagated through the gas (contained in a stainless steel cylinder). To insure natural cooling of the ceramic piezoelectric converters (radiator and receiver), they are mounted at the ends of cylindrical steel sound guides which are welded to the ends of the gas cylinder. A block diagram of the device is presented, and the function of its components is discussed. Testing and calibration of the device was carried out with nitrogen and argon in the pressure range $0-10 \times 10^5 \text{ n/m}^2$ at temperatures from 290 to 1180K. Orig. art. has: 2 diagrams.

SUB CODE: 20/ SUBM DATE: 23Jul66/ ORIG REF: 003/ OTH REF: 003
Cord 1/1

ARNAUTOV, V.T.; BABANOV, V.M.; BONSKOY, S.A.; PASTUKHOV, A.I.; SMIRNOV, I.A.; TORSHILOV, Yu.V.; TRET'YAKOV, M.A.; UDovenko, V.G.; FEDYENZON, Ye.Z.; SHCHEKALEV, Yu.S.; Prinimali uchastiye: MAKAYEV, S.V.; KOMPANIYETS, G.M.; NAGOVITSYN, D.F.; NOVOLODSKIY, F.I.; VARSHAVSKIY, V.I.; KOROGODSKIY, V.G.; KLIBANOV, Ye.L.: MEDVEDEVSKIKH, Yu.; TAIANTSSEVA, T.I.; DUBROV, N.F.; DZEMYAN, S.K.; TOPYCHKANOV, B.I.; CHARUSHNIKOV, G.A.; KHARITONOV, Yu.A.

Developing and mastering the technology of converting vanadium cast iron in oxygen-blown converters with a 100 ton (Mg) capacity.
Stal' 25 no. 7:50/-508 Je '65. (MIREA 18:6)

1. Nizhne-Tagli'skiy metallurgicheskiy kombinat (for Makayev, Kompaniyets, Nagovitsyn, Novolodskiy, Varshavskiy, Korogodskiy, Klibanov, Medvedevskikh, Talantsseva). 2. Ural'skiy nauchno-issledovatel'skiy institut chelykh metallov (for Dubrov, Dzemyan, Topychkanov, Charushnikov, Kharitonov).

RE: YANAKH, S. (Sergeant) - 1940-1945; 1945-1946; 1946-1947;
1947-1948; 1948-1949; 1949-1950; 1950-1951; 1951-1952;
1952-1953; 1953-1954.

Meeting at the office of the chief of staff, Moscow, Soviet Union, point
of the officially recognized diplomatic mission of the Soviet
Union to the United States.

1. Estimate Soviet foreign policy and its likely intentions in the
present situation, particularly in respect to Poland.

S/145/61/000/012/004/007
D221/D302

AUTHORS: Baranov, V. N., Engineer, and Zakharov, Yu. Ye., Candidate of Technical Sciences

TITLE: Some problems of applying vibrations in the technology of machine construction

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Mashinostroyeniye, no. 12, 1961, 88-99

TEXT: The efficiency of applying ultrasonic vibrations is proved by many examples; the vibrations of lower frequencies (up to 1 Kc/s) are also used e.g. in cutting, casting, mechanization of auxiliary operations and test (all these applications are discussed). The investigations of V. P. Kuznetsov, Member of the Academy of Sciences USSR, have revealed that the stability of the cutting tool is markedly reduced in conventional machining at high speeds, and this defect is partly eliminated by vibratory cutting. The generators of vibrations are divided into 6 categories: Mechanical centrifugal, mechanical eccentric, pneumatic, hydraulic, electro-

Card 1/3

Some problems of applying ...

S/145/61/000/012/004/007
D221/D302

magnetic, and electrodynamic. A brief description of their features is given. The authors give preference to hydromechanical and electro-hydraulic units, owing to their longer life, ease of output control, their adaptability in assembly with other equipment, etc. The correct design of the hydraulic servomotor is the main task in designing hydraulic vibrators. A description of the design method is given. MVTU im. Bauman, in cooperation with various plants, has designed and made several models of hydraulic tracer vibrators for oscillatory machining which were based on the method described. The units are designated as hydraulic or electro-hydraulic vibrating slides. One, designed in collaboration with the Izhevskiy mashinostroitel'nyy zavod (Izhev Engineering Plant) type *BГ-2* (VG-2) is covered by the author's certificate No. 123011, dated February 3, 1959, on name of Ye. Ye. Zakharov. The vibro-slide VG-3 is patented by Yu. Ye. Zakharov and V. N. Baranov (author's certificate No. 128260, dated January 29, 1959). The vibro-slide *BГС-1* (VGS-1) produced in cooperation with the Stankozavod im. S. Ordzhonikidze (Machine Tool Works im. S. Ordzhonikidze) has an author's certificate No. 134537, dated May 20, 1960, given to V. N. Baranov and

Card 2/3

Some problems of applying ...

S/145/61/000/012/004/007
D221/D302

Yu. Ye. Zakharov. The electrodynamic vibrator for oscillatory drilling made by the Izhev Engineering Plant is patented by the authors, for which the author's certificate No. 132024, dated January 21, 1960, was issued. There are 6 figures and 12 references: 10 Soviet-bloc and 2 non-Soviet-bloc. The references to the English-language publications read as follows: P. Martens. Tooling and Production Magazine, no. 4, 1960; Armstrong, Amer. Machinist, no. 22, 1955, 99.

ASSOCIATION: MVTU im. N. E. Baumana (MVTU im. N. E. Bauman)

Card 3/3

32707

S/145/60/000/012/002/002
D221/D301

26.2.190

AUTHORS: Zalharov, Yu. Ye., Aspirant, and Baranov, V. N.,
Engineer

TITLE: Autooscillations of a hydraulic servomotor with a
clearance in a rigid feedback

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Mashinostro-
eniye, no. 12, 1960, 55-66

TEXT: The author considers self-oscillations of a valve-controlled
hydraulic servomotor in the case of clearance in the mechanical
feedback. The following assumptions are made: The working fluid is
incompressible (the experiments at MVTU im. Bauman reveal that air
compressibility is important only in the case of large volumes and
small input pressure P_0); leakages are disregarded; the input pres-
sure P_0 is constant; the viscosity and specific weight of fluid are
constant; the overlap of working orifices is zero. Equations of mo-
tion are formulated and solved approximately by expanding the qua-
Card 1/4

32707

Autooscillations of a ...

S/145/60/000/012/002/008
D221/D301

tities into series $A = A_0 + \mathcal{E}A_1 + \mathcal{E}^2A_2 \dots$ and neglecting the term of an order higher than 2 in \mathcal{E} . The frequency of autovibrations is $\omega = k(1 - \mathcal{E}\frac{k^2}{8} - \mathcal{E}^2\frac{k^4}{64} - \dots)$, k being a parameter which depends

on the construction of the motor. This is followed by the analysis of valve motions which demonstrates that the swing of self-oscillations does not depend upon the supply pressure. It is, however, determined by the feedback clearance and the design of the servo. The valve frequency decreases with greater clearance and mass of the piston load. The swing of piston oscillations also does not depend on the supply pressure, but is determined by the clearance and design parameters. The above theory was verified on a model of a micrometer screw, and the displacements were recorded. It was found that the frequency of self-oscillations increased with greater supply pressure and smaller clearance which confirms the theoretical deductions. The swing of valve oscillations increases with larger clearance and supply pressure. Although this contradicts the

Card 2/4

32707

Autooscillations of a ...

S/145/60/000/012/002/008
D221/D301

theoretical deductions, it can be explained by the fact that the full swing due to both damped and undamped oscillations was measured. It is proposed that the natural frequency of the damped valve oscillations is given by $\omega_r^2 = \omega_{ro}^2 + \omega_{rh}^2$, where ω_{ro} is the natural frequency of valve determined by its rigidity, its springs and the viscous friction; ω_{rh} is the natural frequency of the valve due to static hydrodynamic force which acts on it. The second component of frequency depends on the pressure drop in the piston as well as on the inertia of the load. It follows, therefore, that the natural frequency of the valve rises with greater supply pressure, and drops with larger clearance. The swing of self-oscillations of the piston increases non-linearly with greater clearance, and also with higher supply pressure. Graphs are given. There is a good agreement with the experiment only at low supply pressures. The control of the parameters of self-oscillations of the servo with a clearance in the feedback permits the use of such oscillations for various purposes. There are 8 figures.

Card 3/4

Autooscillations of a ...

37757
S/145/60/000/012/002/002
D221/D301

ASSOCIATION: MVTU im. Baumana (MVTU im. Bauman)

SUBMITTED: January 14, 1960

Card 4/4

S/549/61/000/104/008/018
D237/D304

AUTHORS: Zakharov, Yu.Ye., Candidate of Technical Sciences, and
Baranov, V.N., Engineer

TITLE: On forced oscillations of a piston hydro-servomotor without feedback

SOURCE: Moscow. Vyssheye tekhnicheskoye uchilishche. [Trudy],
v. 104, 1961. Mekhanika, 67 - 77

TEXT: The authors study periodic motion of the piston of the hydro-servomotor with arbitrary input signal, for the three basic types of load on the piston, which are: 1) Force constant in magnitude and direction; 2) Elastic force (spring-loaded piston); 3) Inertial forces (mass of the load not neglected). Making the usual initial assumptions, the authors give the equation of motion of the piston and solve it by using a dimensionless coordinate system and expansion in terms of a small parameter. The approximate solution obtained is accurate to the 2nd order of approximation. An example is given. There are 4 figures and 4 Soviet-bloc references.

Card 1/1

BARANOV, V.N., inzh.; ZAKHAROV, Yu.Ye., assistant

Hydraulic and electrohydraulic vibrators used for technical purposes in the manufacture of machinery. Izv. vys. ucheb. zav.; mashinostr. no.6:39-51 '61. (MIRA 14:7)

1. Moskovskoye vyssheye tekhnicheskoye uchilishche imeni E. humana.

(Vibrators)

ZAKHAROV, Yu.Ye.; BARANOV, V.N.; SHOMLO, Ya.

Determining the consumption ratio and hydrodynamic force on valves
of hydraulic servomechanisms. Stan. i instr. 33 no. 3:16-21 Mr '62.
(Servomechanisms) (MIRA 15:2)

S/121/63/000/001/004/014

A004/A126

AUTHORS: Baranov, V.N., Zakharov, Yu.Ye., Moiseyev, V.Ye., Bezrukov, I.M.

TITLE: Chip-breaking in turning ductile metals

PERIODICAL: Stanki i instrument, no. 1, 1963, 14 - 16

TEXT: Scientific workers of the MVTU im. Bauman have carried out investigations under production conditions to study the efficiency of various methods of chip-breaking and of removing chips from the cutting zone in turning highly ductile metals. These tests proved the possibility of obtaining a reliable breaking of chips over a wide range of cutting conditions, the required finish of the machined surface and an appropriate tool life by using the hydraulic BG-2 (VG-2) vibrating saddle. Moreover, the tests showed that vibrating saddles with electromagnetic and electrodynamic valve drives are suited best for operation in a frequency range of 25 - 100 cps, while 3ГВС-1 (EGVS-1) vibrating saddles whose control valves are driven by an electric motor are most expediently used in a lower frequency range of 0.5 - 25 cps. The authors present a detailed description of the design features, technological parameters and opera-

Card 1/2

Chip-breaking in turning ductile metals

S/121/63/000/001/004/014
A004/A126

tional behavior of vibrating saddles, taking into account different turning conditions. The operational tests with vibrating saddles proved that the reduction in power required for cutting is fully compensated by the power required by the hydraulic system. The use of low-frequency vibrating saddles in turning highly ductile metals ensures a reliable breaking of chips, a surface finish of at least class 6, an increase in tool life by a factor of 1.5 and a reduction in cutting power of up to 65%, while the vibrations have no negative effect on the lathe. There are 4 figures and 1 table.

Card 2/2

BARANOV, V.N., kand. tekhn. nauk

Theoretical investigation of a self-controlled hydraulic
vibratory servomechanism. Izv. vys. ucheb. zav.; mashinostr.
no.9:98-109 '63.
(MIRA 17:3)

I. Moskovskoye vyssheye tekhnicheskoye uchilishche imeni
Baumana.

L 04925-67

EWT(m)/EWP(w)

IJP(c)

EM/WW/GD

ACC NR: AT6018759

SOURCE CODE: UR/0000/65/000/000/0124/0135

AUTHOR: Baranov, V. N.; Zakharov, Yu. Ye.

ORG: none

60

B+1

10

11

TITLE: Forced vibrations of a hydraulic piston servomechanism without feedback

SOURCE: AN SSSR. Institut avtomatiki i telemekhaniki. Gidroavtomatika (Hydraulic automation). Moscow, Izd-vo Nauka, 1965, 124-135

TOPIC TAGS: hydraulic device, servomechanism, forced vibration, nonlinear vibration, vibration analysis, fluid flow, flow analysis, ENGINE PISTON

ABSTRACT: The forced vibrations of a piston servomechanism without feedback are examined with consideration of the compressibility of the column of working fluid. It is assumed that the coefficient of discharge in the openings of the slide valve is constant, that the pressure applied to the control slide valve of the mechanism is constant, that the mechanism operates under steady thermal conditions, i.e., the temperatures of viscosity of the working fluid are constant, that leakages from the working cavities of the cylinder, overflows between the working cavities, and leakages from the slide-valve sleeve are negligible, that the size of the working opening of the slide valve changes by a purely sine law, that the load on the piston consists of d'Alembert

Card 1/2

ALEKSEYEV, Vasiliy Andreyevich, inzhener; BARANOV, V.N., inzhener, redaktor;
BOBROVA, YE.N., tekhnicheskiy redaktor

[Rapid construction of duplexes; practices of large-block construction
at small stations of the Southwestern Railroad Line] Skorostnoe
stroitel'stvo dvukhkvartirnykh zhilykh domov; iz opyta krupnoblochnogo
stroitel'stva na malykh stantsiakh Iugo-Zapadnoi dorogi. Moskva,
Gos.transp.zhel-dor. izd-vo, 1957. 23 p. (MLRA 10:9)
(Building) (Architecture, Domestic--Designs and plans)

BARANOV, V. N.

MEZHOV, I.A., inzhener-nachal'nik; BUDASHKIN, P.P., inzhener; BARANOV, V.N., inzhener; SKUYEV, V.I., inzhener; KADIL'NIKOV, M.F., inzhener; DERKACH, I.M., inzhener; KONDRAT'YEVA, O.F., tekhnik; GURKIN, V.I., kandidat tekhnicheskikh nauk; SOLOV'YEVA, M.S., inzhener; UDOD, V.Ya., redaktor izdatel'stva; SKVORTSOVA, I.P., redaktor izdatel'stva; BOROVNEV, N.K., tekhnicheskiy redaktor

[Model technological charts for sanitary engineering] Tipovye tekhnologicheskie karty po sanitarno-tehnicheskim rabotam. Moskva, Gos.izd-vo lit-ry po stroit.i arkhit., 1957. 150 p. (MIRA 10:7)

1. Akademiya stroitel'stva i arkhitektury SSSR, Nauchno-issledovatel'skiy institut organizatsii i mekhanizatsii stroitel'stva. 2. Normativnoye byuro TSudostroya Ministerstva putey soobshcheniya (for Mezhov, Budashkin, Baranov, Skuyev, Kadil'nikov, Derkach, Kondrat'yeva)
3. Nauchno-issledovatel'skiy institut organizatsii i mekhanizatsii stroitel'stva (for Solov'yeva, Gurkin)
(Plumbing)

BARANOV, V.N., inzh.; SOKOLOV, F.G., inzh., red.; DGBSHITS, M.L., inzh., red.; BOBROVA, Ye. N., tekhn. red.

[Mass construction of apartment houses; practices of Kirov railroad workers] Massovoe stroitel'stvo zhilykh domov; opyt kollektiva Kirovskoi dorogi. Moskva, Gos. transp. zhel.-dor. izd-vo, 1958. 72 p.
(MIRA 11:12)

(Apartment houses)

BARANOV, V.N., inzh.; GOL'SHUKH, V.V., inzh., red.; BOBROV, Ye.N., tekhn. red.

[Advanced technology in construction; experience of road-building organizations] Perekovaia tekhnologija v stroitel'stve; opyt dorozhnykh stroitel'nykh organizatsii. Moskva, Vses. izdatel'sko-poligr. ob"edinenie M-va putei soobshchenija, 1960. 73 p. (MIRA 14:6)

1. Glavnnyy inzhener Normativno-issledovatel'skogo byuro Glavnogo upravleniya kapital'nogo stroitel'stva (for Baranov)

(Construction industry--Technological innovations)

BARANOV, V.N., inzh.; KARAMYSHEV, I.A., inzh., red.; MEDVEDEVA, M.A.,
tekhn. red.

[Improving technology in the construction of buildings] Sovremen-
stvovanie tekhnologii stroitel'stva zdanii; opyt raboty brigad kom-
munisticheskogo truda. Moskva, Vses.izdatel'sko-poligr. ob"edinenie
M-va putei soobshcheniiia, 1961. 52 p. (MIRA 14:12)
(Railroads--Buildings and structures)

BARANOV, V.N.

Discovery of outcropping Triassic variegated clays in Danilov District, Yaroslavl Province. Dokl. na nauch. konf. 1 no.4: 115-119 '62. (MIRA 16:8)
(Danilov District--Clay)

L 10208-66 EWT(d)/EWP(c)/EWP(v)/T/EWP(k)/EWP(l)/ETC(m) WW

ACC NR: AP5028547

SOURCE CODE: UR/0286/65/000/020/0162/0162

AUTHORS: Baranov, V. N.; Zakharov, Yu. Ye.

ORG: none 44 55 44 55

32
B

TITLE: Electrohydraulic vibration test machine. Class 42, No. 160607

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 20, 1965, 162

TOPIC TAGS: vibration test, hydraulic device, electromagnet component

ABSTRACT: This Author Certificate presents an electrohydraulic test machine for producing oscillations of a given form and length using a generator of various frequencies and amplitudes of electrical oscillations which are supplied to an electromagnet mechanism controlling the hydraulic oscillation excitation system. The machine is provided with a feedback unit containing an electrical detector connected to the piston of the hydraulic system. For the simultaneous action of translational and rotational oscillations on the investigated object, the electromagnet mechanism is in the form of two electromagnet systems acting on the common shaft. One of these systems is fastened directly to the shaft and imparts

Card 1/2

L 10208-66

ACC NR: AP5028547

rotational motions to it. The other system is mounted in the center of a rigidly fastened elastic membrane and imparts longitudinal motions to the shaft. The shaft is mechanically coupled to the control valves of the hydraulic slave system.

SUB CODE: 4013, 09/

SUBM DATE: 25Jun62

Card 2/8

BARANOV, V. P.

"Isomerization, Cleavage, and Destruction of Normal Hydrocarbons Under Conditions of Destructive Hydrogenation." Cand. Tech. Sci., Moscow Petroleum Inst., Min. Higher Education, Moscow, 1954. (IL, No. 2, Jan 55)

Survey of Scientific and Technical Dissertations Prepared at USSR Higher Educational Institutions (13)
SU: Sov. No. 572, 22 Jul 55

ROZENTAL', A.Ya., inzh.; BARANOV, V.P., inzh.

Damage occurring during the operation of oil-filled lead-ins.
Elek. sta. 33 no.4:84-85 Ap '62. (MIRA 15:7)
(Electric power distribution--Equipment and supplies)

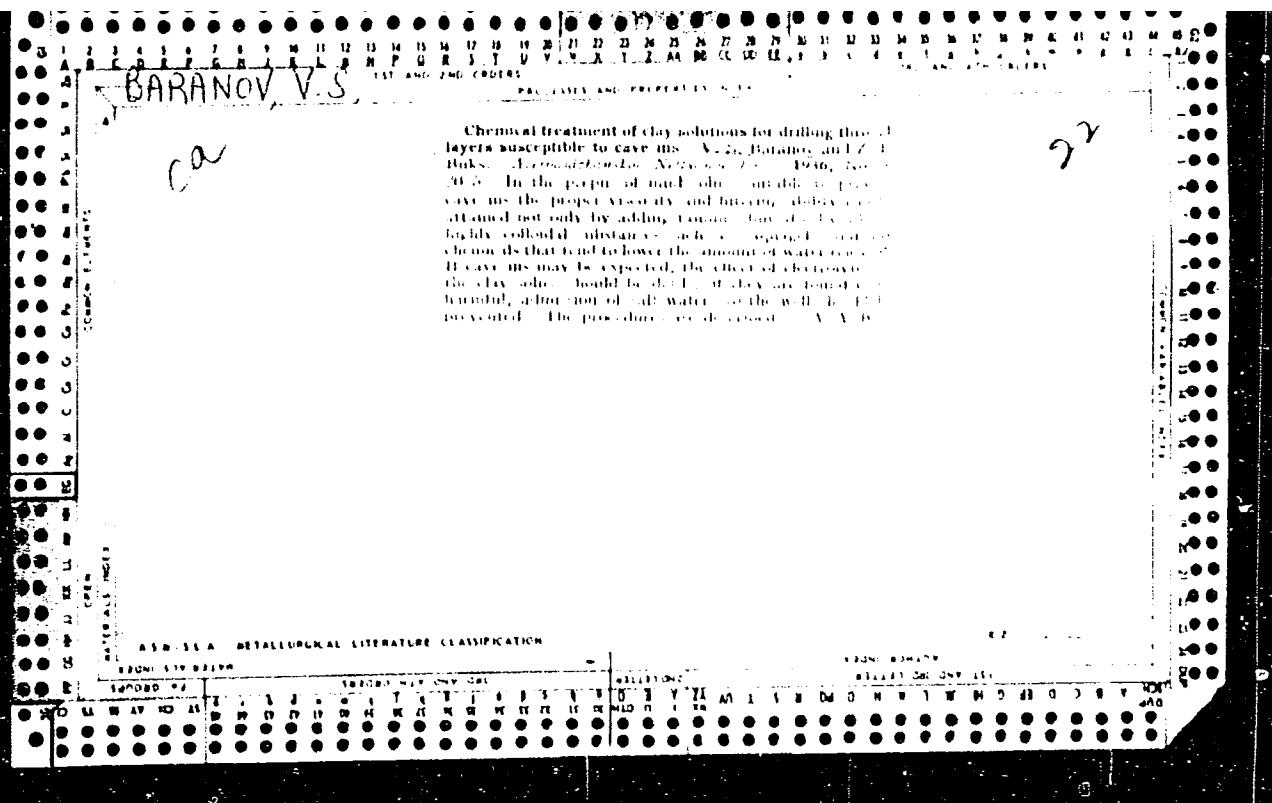
BARANOV, V. S.: Master Med Sci (diss) -- "Oscillographic and electrocardiographic investigations of sportmen (Material on the effect of motor constants and physical loads on the cardiovascular system)". Novosibirsk, 1958. 20 pp (Novosibirsk State Med Inst, Chair of Hospital Therapy), 250 copies (KL, № 2, 1959, 12b)

DETUK, Ye.S. [Datiuk, YE.S.]; BARANOV, V.S.

Effect of the ketone of palmitic acid on the estrous cycle and pregnancy. Ped., akush. i gin. 23 no.6:58-60 '61; (MIRA 15:4)

1. Kafedra gistollogii i embriologii (zav. - doktor med.nauk dotsent A.P.Dibar) L'vovskogo meditsinskogo instituta (rektor - prof. L.K. Kuzmenko).

(PALMITIC ACID) (ESTRUS) (PREGNANCY)



BARANOV, V.S.
Ca

22
Gelatinization of chemically treated clay solutions. V.
S. Baranov and Z. P. Bule. *Azerbaidzhanskoy Naukova
Akad.* 1936, No. 6, 31-4. With increasing NaCl content
the viscosity of clay soln. increases to a max. and then de-
creases, the filterability increases. Upon introducing
into the clay soln. a mixt. of tanning ext. and NaOH, the
viscosity increases and the filterability decreases. Seven
references
A. A. Bochtingk

AVAILABILITY METALLURGICAL LITERATURE CLASSIFICATION

FROM: STW/LSA

TO: STW/LSA

SECOND REFERENCE

SECOND REFERENCE

THIRD REFERENCE

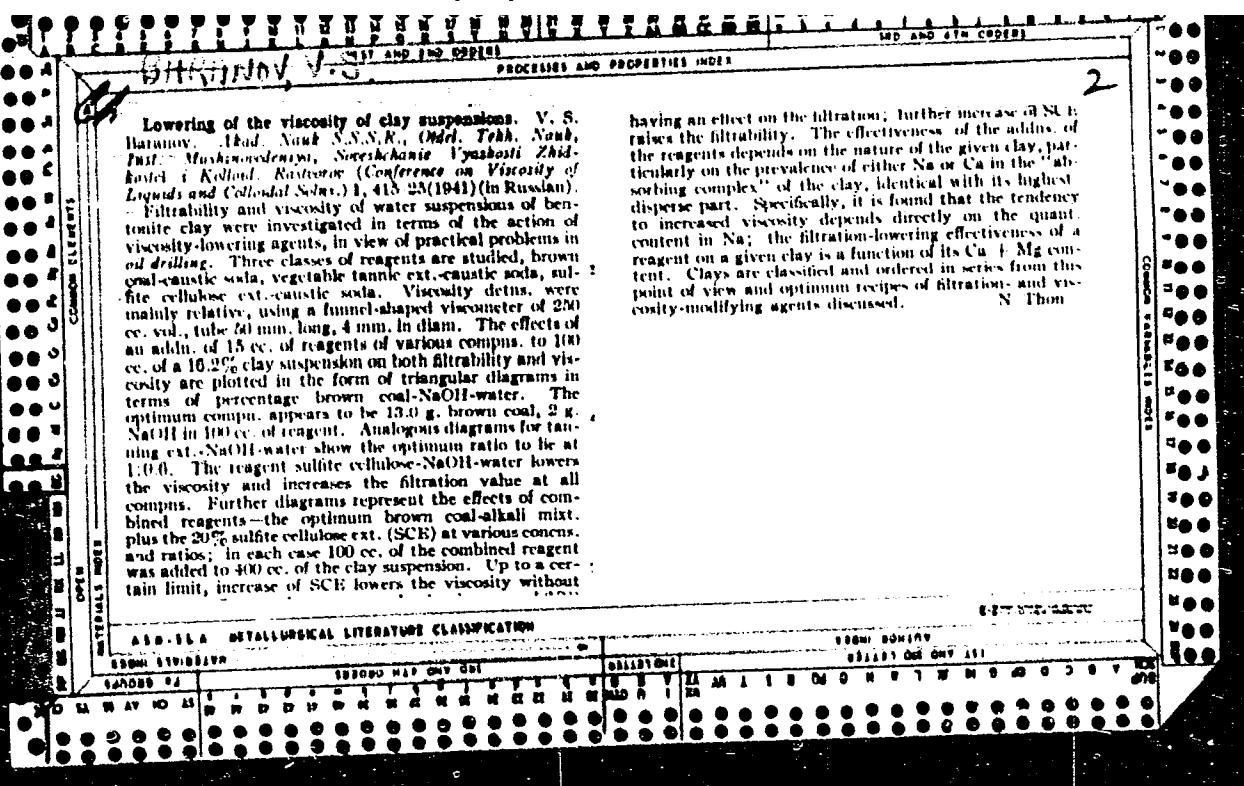
THIRD REFERENCE

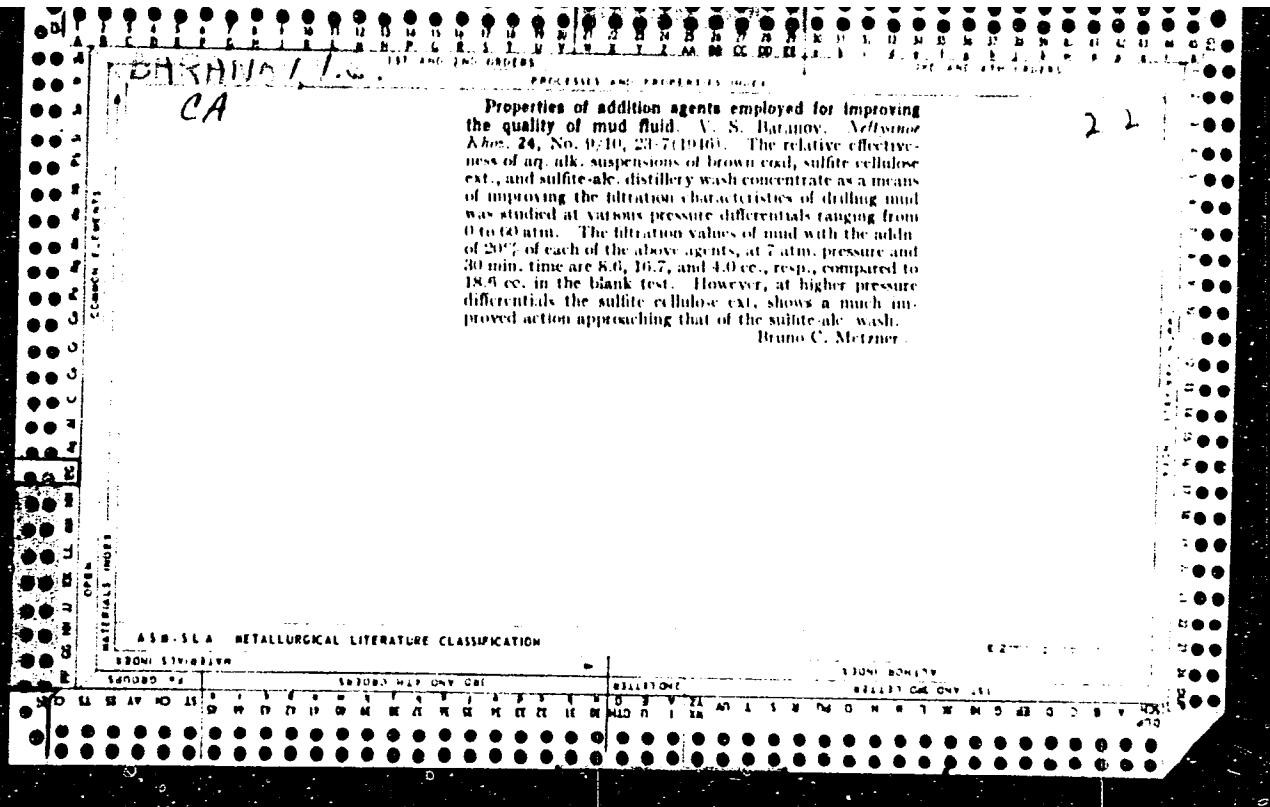
BARANOV.V.S.

22

Chemical treatment of clay solutions during drilling
Determination of the properties of such solutions with
measuring apparatus A. S. Baranov. *Neftegaz. Khim.*
1937, No. 12, 14-21. *Chem. Abstr.* 1938, II, 1522. App.
is described for the determination of viscosity, filtration
velocity, stability and sand content, as well as for the
determ. of abs. Viscosity, beginning to flow, resistance to
initial displacement, and the velocity of thixotropy. On
the basis of these measurements directions are given for
the production of the most satisfactory clay solns. in the
lab. and at the well. M. G. Moore

AMERICAN METALLURGICAL LITERATURE CLASSIFICATION





BABUKOVA, Ye.G.; BARANOV, V.S., redaktor.

[Laboratory assistant on use of clay and cement mortars in well
drilling] Laborant po glinistym i tsementnym rastvoram v burenii.
Moskva, Gos. nauchno-tekh. izd-vo neftianoi i gorno-toplivnoi
lit-ry, 1954. 150 p.
(Mortar) (Oil well drilling)

BARANOV, V.S.

BARANOV, V.S.; MEL'NIKOV, B.N., retsenzent; BOBROV, I.I., redaktor.

[Technical preliminaries to production in shipbuilding plants]
Tekhnologicheskaiia podgotovka proizvodstva na sudostroitel'nom
zavode. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. i
sudostroit. lit-ry, 1954. 166 p.
(Shipbuilding) (MLRA 7:7)

BARANOV, Vladimir Sergeyevich; KOVALEVA, A.A., redaktor; POLOSENIA, A.S.,
tekhnicheskiy redaktor

[Drilling fluids for well boring in difficult conditions] Glinistye
rastvory dlia burenija skvazhin v oslozhnennykh usloviakh. Moskva,
Gos. nauchno-tekhn. izd-vo neftianoi i gorno-toplivnoi lit-ry, 1955.
211 p.
(Oil well drilling fluids)

(MLRA 8:6)

Baranov, V. S.

Drilling mud. V. S. Baranov and Z. P. Buka. U.S.S.R. 102,505, Mar. 27, 1992. The drilling mud is composed of a clay slurry 2, a Na alicate soln. 2, and hydrolyzed starch 3 parts. The hydrolyzed starch can be replaced by a 10% soln. of carboxymethylcellulose. This compn. has a low adhesiveness and is suitable for drilling in swelling clays and clayey shale having a broken structure. M. Haseeb.

NS 4E3d

BARANOV, V.S., inzhener.

Quantitative appreciation of the practical value of ship structures
based on past technical and economic use. Sudostroenie 23 no.1:41-43
Ja '57. (MIRA 10:10)

(Shipbuilding--Supplies)

BARANOV V.S. ingenier.

Using new centering technology in shafting. Sudostroenie 23 no.7;
59 Jl 15?.

(Shafts and shafting)

BARANOV, V.S., inzh.

Mechanization of machine mounting operations in shipbuilding.
Sudoastroenie 23 no.9:39-43 S '57. (MIRA 10:12)
(Shipfittings)

BARANOV, V.S.

Seasonal distribution of runoff in the Vishera River basin
for representative years. Uch. zap. Perm. gos. un. 15 no.2:
109-113 '60. (MIRA 14:12)
(Vishera River--Runoff)

ARKHANGEL'SKIY, Boris Aleksandrovich, prof.; BARANOV, V.S., inzh.,
retsenzent; GUREVICH, Ye.S., kand. khim. nauk, retsenzent;
KUSKOVA, A.I., red.; SHIRAYKHMAN, G.A., nauchnyy red.;
FRUMKIN, P.S., tekhn. red.

[Plastics; manual on the use of plastics in shipbuilding and
allied technical fields] Plastichekie massy; spravochnoe po-
sobie po primeneniiu plasticheeskikh mass v sudostroenii i v
smezhnykh oblastiakh tekhniki. Leningrad, Sudpromgiz, 1961.
719 p.

(Plastics)

(Shipbuilding—Supplies)

(MIRA 15:4)

ACC NR: AP7002638 (A,N) SOURCE CODE: UR/0413/66/000/023/0186/0186

INVENTOR: Baranov, V. S.

ORG: None

TITLE: A nonvolatile memory. Class 42, No. 147376

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 23, 1966, 186

TOPIC TAGS: computer memory, magnetic circuit, ferromagnetic material

ABSTRACT: This Author's Certificate introduces a nonvolatile memory consisting of a system of conductors crisscrossing at right angles with symmetric magnetic circuits located at the points of intersection. The unit is designed for simplified construction and information input as well as for increased operational reliability. Open magnetic circuits are used which are closed for information input by using cards on which diagonal lines are marked with a ferromagnetic material. The centers of these lines coincide with the points of intersection of the conductors and their direction with respect to the conductors makes an angle of either 45° (for recording a "0") or 135° (for recording a "1").

SUB CODE: 09 / SUBM DATE: 26Jun61

Card 1/1

BARANOV, V.S.

Characteristics of the damaging effect of aminopterin at different stages of rat embryogenesis. Dokl. AN SSSR 163 no.4:1032-1035 Ag 1965.
(MIRA 18:8)

I. Institut eksperimental'noy meditsiny AMN SSSR. Submitted April 5, 1964.

SARKINOV, V. T.

"Complex Power Supply to Ukrainian Keldzhov's on the Basis of Local Fuel Resources." Cand Tech Sci, Inst of Heat Power Engineering, Acad Sci UkrSSR, Kiev, 1954. (KL, No 14, Apr 5.)

SO: Sum. No. 704, 2 Nov 55 - Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (le).

DANILOV, V.Ye., polkovnik meditsinskoy sluzhby; KAVYRSHIN, A.Ya., podpolkovnik meditsinskoy sluzhby; BARANOV, V.T., podpolkovnik meditsinskoy sluzhby

Effect of the KP-14 oxygen apparatus on the ability of fliers with cardiovascular diseases to remain in a pressure chamber. Voen.-med. zhur. no.7:82 Jl '57.
(MIRA 11:1)
(CARDIOVASCULAR SYSTEM--DISEASES)
(ALTITUDE, INFLUENCE OF)

BARANOV, V.T., podpolkovnik med. sluzby

State of the higher nervous activity in late sequelae in closed
injuries of the brain. /ser.med.zhur. no.9:23-26 S '52.

(BRAIN, wounds and injuries. (MIRA 11:3)

closed, higher nervous activity in seq. (Rus)

(CENTRAL NERVOUS SYSTEM, physiology;

higher nervous activity in seq. in closed brain inj. (Rus)

BARANOV, V.T.

Technical and economic indices of the gas supply to rural areas.
Gaz. prom. 6 no.11:31-33 '61. (MIRA 15:1)
(Gas distribution)

PARKER V., V.P.

Consumption of gas by collective farms in L'vov Province, Gaz.
prem. 7 no. 350-31 1961. (MIA 1710)

BARANOV, V.T.

Twenty four hour and yearly graphs for gas consumption in collective
farms. Gaz. prom. 8 no.4:18-21 '63. (MIRA 17:10)

OKOROKOV, N.I.; BARANOV, V.V.; SEMENOV, V.M.; SHKOL'NIKOV, A.B.,
red.; GUREVICH, M.M., tekhn. red.

[Farm mechanization and electrification] Mekhanizatsiya i
elektrifikatsiya sel'skogo khoziaistva. Moskva, Sel'khoz-
izdat, 1962. 415 p. (MIRA 15:7)
(Farm mechanization) (Electricity in agriculture)

BAKINOV V.V.

AFANAS'YEVA, A.L., kand.biol.nauk; BAYERTUYEV, A.A., kand.sel'skokhozyaystvennykh nauk; BAL'CHUGOV, A.V., kand.sel'skokhozyaystvennykh nauk; BELOZEROVA, N.A., agronom; BELOZOROV, A.T., kand.sel'skokhozyaystvennykh nauk; MAKSIHENKO, V.P., agronom; BERNIKOV, V.V., doktor sel'skokhozyaystvennykh nauk; BOGOMYAGKOV, S.T., kand.sel'skokhozyaystvennykh nauk; VOLYNETS, O.S., agronom; BODROV, M.S., kand.sel'skokhozyaystvennykh nauk; BOGOSLAVSKIY, V.P., kand.tekhn.nauk; KHRUPPA, I.F., kand.tekhn.nauk; VERNER, A.R., doktor biol.nauk; VOZBUTSKAYA, A.Ye., kand.sel'skokhozyaystvennykh nauk; VOINOV, P.A., kand.sel'skokhozyaystvennykh nauk; VYSOKOS, G.P., kand.biol.nauk; GALDIN, M.V., inzhener-mekhanik; GERASIMOV, S.A., kand.tekhn.nauk; GORSHENIN, K.P., doktor sel'skokhozyaystvennykh nauk; YELENEV, A.V., inzhener-mekhanik; GARASKEVICH, S.V., mekhanik [deceased]; ZHARIKOVA, L.D., kand.sel'skokhozyaystvennykh nauk; ZHEGALOV, I.S., kand.tekhn.nauk; ZIMINA, Ye.A., agronom; BARANOV, V.V., kand.tekhn.nauk; PAVLOV, V.D.; IVANOV, V.K., kand.sel'skokhozyaystvennykh nauk; KAPLAH, S.M., kand.sel'skokhozyaystvennykh nauk; KATIN-YARTSBV, L.V., kand.sel'skokhozyaystvennykh nauk; KOPYRIN, V.I., doktor sel'skokhozyaystvennykh nauk; KOCHERGIN, A.Ye., kand.sel'skokhozyaystvennykh nauk; KOZHENNIKOV, A.R., kand.sel'skokhozyaystvennykh nauk; KUZNETSOV, I.N., kand.sel'skokhozyaystvennykh nauk; LAMBIN, A.Z., doktor biol.nauk; LEONT'YEV, S.I., kand.sel'skokhozyaystvennykh nauk; MAYBORODA, N.M., kand.sel'skokhozyaystvennykh nauk; MAKAROVA, G.I., kand.sel'skokhozyaystvennykh nauk; MIKL'NIKOV, G.A., inzhener; ZHDANOV, B.A., kand.sel'skokhozyaystvennykh nauk; MIKHAYLENKO, M.A., kand.sel'skokhozyaystvennykh nauk; MAGILEVTSEVA, N.A., kand.sel'skokhozyaystvennykh nauk;

(Continued on next card)

AFANAS'YEVA, A.L.... (continued) Card 2.

NIKIFOROV, P.Ye., kand.sel'skokhozyaystvennykh nauk; NEFASHEV, N.I., lesoved; PERVUSHINA, A.N., agronom; PLOTNIKOV, N.A., kand.biol.nauk; L.G.; kand.sel'skokhozyaystvennykh nauk; PAVLOV, V.D., kand.tekhn. nauk; PRUTSKOVA, M.G., kand.sel'skokhozyaystvennykh nauk; GURCHENKO, V.S., agronom; POPOVA, G.I., kand. sel'skokhozyaystvennykh nauk; PORTYANKO, A.F., agronom; RUCHKIN, V.N., prof.; RUSHKOVSKIY, T.V., agronom; SAVITSKIY, M.S., kand.sel'skokhozyaystvennykh nauk; BOLDIN, D.T., agronom; NESTEROVA, A.V., agronom; SERAFIMOVICH, L.B., kand. tekhn.nauk; SMIRNOV, I.N., kand.sel'skokhozyaystvennykh nauk; SEREBRYANSKAYA, P.I., kand.tekhn.nauk; TOKHTUYEV, A.V., kand. sel'skokhozyaystvennykh nauk; FAL'KO, O.S., iznh.; FEDYUSHIN, A.V., doktor biol.nauk; SHEVLYAGIN, A.I., kand.sel'skokhozyaystvennykh nauk; YUFEROV, V.A., kand.sel'skokhozyaystvennykh nauk; YAKHTEINFEL'D, P.A., kand.sel'skokhozyaystvennykh nauk; SEMENOVSKIY, A.A., red.; GOR'KOVA, Z.D., tekhn.red.

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